```
EEEEEEEEEEEEEEEEE  RRRRRRRRRRRR        FFFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEE  RRRRRRRRRRRR        FFFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEE  RRRRRRRRRRRR        FFFFFFFFFFFFFFFFF
EEE                RRR         RRR     FFF
EEE                RRR         RRR     FFF
EEE                RRR         RRR     FFF
EEE                RRR         RRR     FFF
EEE                RRR         RRR     FFF
EEE                RRR         RRR     FFF
EEEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEEEEEEEEEEEE      RRRRRRRRRRRR        FFFFFFFFFFFF
EEE                RRR   RRR           FFF
EEE                RRR   RRR           FFF
EEE                RRR   RRR           FFF
EEE                RRR      RRR        FFF
EEE                RRR      RRR        FFF
EEE                RRR      RRR        FFF
EEEEEEEEEEEEEEEEE  RRR         RRR     FFF
EEEEEEEEEEEEEEEEE  RRR         RRR     FFF
EEEEEEEEEEEEEEEEE  RRR         RRR     FFF
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EEEEEEEEEE    RRRRRRRR      FFFFFFFFFF
EEEEEEEEEE    RRRRRRRR      FFFFFFFFFF
EE            RR      RR     FF
EE            RR      RR     FF
EE            RR      RR     FF
EE            RR      RR     FF
EEEEEEEE      RRRRRRRR      FFFFFFFF
EEEEEEEE      RRRRRRRR      FFFFFFFF
EE            RR  RR         FF
EE            RR   RR        FF
EE            RR    RR       FF          ....
EE            RR     RR      FF          ....
EEEEEEEEEE    RR      RR     FF          ....
EEEEEEEEEE    RR      RR     FF          ....


MM      MM      AAAAAA      PPPPPPPP
MM      MM      AAAAAA      PPPPPPPP
MMMM  MMMM    AA      AA    PP      PP
MMMM  MMMM    AA      AA    PP      PP
MM  MM  MM    AA      AA    PP      PP
MM  MM  MM    AA      AA    PP      PP
MM      MM    AA      AA    PPPPPPPP
MM      MM    AA      AA    PPPPPPPP
MM      MM    AAAAAAAAAA    PP
MM      MM    AAAAAAAAAA    PP
MM      MM    AA      AA    PP
MM      MM    AA      AA    PP
MM      MM    AA      AA    PP
MM      MM    AA      AA    PP
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                              +----------------------------+
                              ! Object Module Synopsis !
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Module Name      Ident            Bytes    File                                        Creation Date        Creator
-----------      -----            -----    ----                                        -------------        -------
ERFSHR           V04-000              0   _$255$DUA28:[ERF.OBJ]ERFSHR.EXE;1          16-SEP-1984 04:31   VAX-11 Linker V04-00
FORRTL           V04-000              0   _$255$DUA28:[SYSLIB]FORRTL.EXE;1           16-SEP-1984 04:07   VAX-11 Linker V04-00
LIBRTL           V04-000              0   _$255$DUA28:[SYSLIB]LIBRTL.EXE;1           16-SEP-1984 04:00   VAX-11 Linker V04-00
MTHRTL           V04-000              0   _$255$DUA28:[SYSLIB]MTHRTL.EXE;1           16-SEP-1984 04:04   VAX-11 Linker V04-00
ERFCOMMON        V04-000              0   _$255$DUA28:[ERF.OBJ]ERFCOMMON.EXE;1       16-SEP-1984 04:31   VAX-11 Linker V04-00
ERF              V04-000           6425   _$255$DUA28:[ERF.OBJ]ERF.OLB;1             15-Sep-1984 23:42   VAX-11 Bliss-32 V4.0-742
ERFPARSER        V04-000           3706   _$255$DUA28:[ERF.OBJ]ERF.OLB;1             15-Sep-1984 23:45   VAX-11 Bliss-32 V4.0-742
RECSELECT        V04-000           1861   _$255$DUA28:[ERF.OBJ]ERF.OLB;1             15-Sep-1984 23:52   VAX-11 Bliss-32 V4.0-742
UNKN_DISP        V04-000            311   _$255$DUA28:[ERF.OBJ]ERF.OLB;1             15-Sep-1984 23:55   VAX-11 Bliss-32 V4.0-742
TIMRB            01                 720   _$255$DUA28:[ERF.OBJ]ERF.OLB;1             16-Sep-1984 00:15   VAX-11 FORTRAN V3.4-56
CVTTIME          V04-000            996   _$255$DUA28:[SYSOBJ]CLIUTL.OLB;1           15-SEP-1984 23:39   VAX/VMS Macro V04-00
CLI$INTERFACE    V04-000            516   _$255$DUA28:[SYSLIB]STARLET.OLB;2          16-Sep-1984 00:32   VAX-11 Bliss-32 V4.0-742
CLI$GLOBALS      V04-000              0   _$255$DUA28:[SYSLIB]STARLET.OLB;2          15-SEP-1984 23:38   VAX/VMS Macro V04-00
SYS$P1_VECTOR    V04-000              0   _$255$DUA28:[SYSLIB]STARLET.OLB;2          16-SEP-1984 00:40   VAX/VMS Macro V04-00
LBRSHR           V04-000              0   _$255$DUA28:[SYSLIB]LBRSHR.EXE;1           16-SEP-1984 04:16   VAX-11 Linker V04-00

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                      ! Module Relocatable Reference Synopsis !
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Module Name                     Number   Module Name                      Number   Module Name                      Number
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UNKN_DISP                            1
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! Image Section Synopsis !
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Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
ERFSHR	1	2	00000000-R	0	0	READ ONLY	ERFSHR_001	LESS/EQUAL	1	0
	2	2	00000400-R	0	0	READ ONLY	ERFSHR_002	LESS/EQUAL	1	0
	4	17	00000800-R	0	0	READ WRITE COPY ON REF	ERFSHR_003	LESS/EQUAL	1	0
	4	40	00002A00-R	0	0	READ WRITE COPY ON REF	ERFSHR_004	LESS/EQUAL	1	0
	4	53	00007A00-R	0	0	READ ONLY	ERFSHR_005	LESS/EQUAL	1	0
	4	4	P-0000E400-R	0	0	READ ONLY	ERFSHR_006	LESS/EQUAL	1	0
	2	10	0000EC00-R	0	0	READ WRITE FIXUP VECTORS	ERFSHR_007	LESS/EQUAL	1	0
FORRTL	3	63	00000000-R	0	0	READ ONL.	FORRTL_001	LESS/EQUAL	1	100
	4	2	00007E00-R	0	0	READ WRITE COPY ON REF	FORRTL_002	LESS/EQUAL	1	100
	2	1	00008200-R	0	0	READ WRITE FIXUP VECTORS	FORRTL_003	LESS/EQUAL	1	100
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11
MTHRTL	3	115	00000000-R	0	0	READ ONLY	MTHRTL_001	LESS/EQUAL	129	32778
	2	1	0000E600-R	0	0	READ WRITE FIXUP VECTORS	MTHRTL_002	LESS/EQUAL	129	32778
ERFCOMMON	4	13	00000000-R	0	0	READ WRITE COPY ON REF	ERFCOMMON_001	LESS/EQUAL	1	0
DEFAULT_CLUSTER	0	3	00000200	2	0	READ ONLY				
	0	2	00000800	5	0	READ WRITE COPY ON REF				
	0	24	00000C00	7	0	READ ONLY				
	0	3	00003C00	31	0	READ WRITE FIXUP VECTORS				
	253	20	7FFFD800	0	0	READ WRITE DEMAND ZERO				
LBRSHR	1	1	00000000-R	0	0	READ ONLY	LBRSHR_001	LESS/EQUAL	2	9
	2	3	00000200-R	0	0	READ WRITE COPY ON REF	LBRSHR_002	LESS/EQUAL	2	9
	2	54	00000800-R	0	0	READ ONLY	LBRSHR_003	LESS/EQUAL	2	9
	4	1	00007400-R	0	0	READ WRITE COPY ON REF	LBRSHR_004	LESS/EQUAL	2	9

Key for special characters above:
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! R - Relocatable !
! P - Protected !
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! Program Section Synopsis !
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Psect Name	Module Name	Base	End	Length	Align	Attributes
$PDATA		00000200 000002AE 000000AF (		175.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	TIMRB	00000200 000002AE 000000AF (		175.) LONG 2	
$PLIT		000002B0 0000077B 000004CC (		1228.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	ERF	000002B0 000004AB 000001FC (		508.) LONG 2	
	ERFPARSER	000004AC 0000071B 00000270 (		624.) LONG 2	
	RECSELECT	0000071C 00000727 0000000C (		12.) LONG 2	
	UNKN_DISP	00000728 0000077B 00000054 (		84.) LONG 2	
$GLOBAL$		00000800 00000923 00000124 (		292.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	ERF	00000800 000008C5 000000C6 (		198.) LONG 2	
	ERFPARSER	000008C8 00000923 0000005C (		92.) LONG 2	
$LOCAL		00000924 00000997 00000074 (		116.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	TIMRB	00000924 00000997 00000074 (		116.) LONG 2	
OWN		00000998 00000B43 000001AC (		428.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	ERF	00000998 00000A37 000000A0 (		160.) LONG 2	
	ERFPARSER	00000A38 00000AF9 000000C2 (		194.) LONG 2	
	RECSELECT	00000AFC 00000B33 00000038 (		56.) LONG 2	
	UNKN_DISP	00000B34 00000B43 00000010 (		16.) LONG 2	
JOB_PARAM		00000B44 00000B77 00000034 (		52.) LONG 2	PIC,USR,OVR,REL,GBL, SHR,NOEXE, RD, WRT,NOVEC
	TIMRB	00000B44 00000B77 00000034 (		52.) LONG 2	
QUEUE_DATA		00000B78 00000B87 00000010 (		16.) QUAD 3	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
	ERFPARSER	00000B78 00000B87 00000010 (		16.) QUAD 3	
STAT_VARS		00000B88 00000B9B 00000014 (		20.) LONG 2	PIC,USR,OVR,REL,GBL, SHR,NOEXE, RD, WRT,NOVEC
	TIMRB	00000B88 00000B9B 00000014 (		20.) LONG 2	
$CODE		00000C00 000035CC 000029CD (		10701.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	ERF	00000C00 000021B6 000015B7 (		5559.) LONG 2	
	ERFPARSER	000021B8 00002C93 00000ADC (		2780.) LONG 2	
	RECSELECT	00002C94 00003394 00000701 (		1793.) LONG 2	
	UNKN_DISP	00003398 00003466 000000CF (		207.) LONG 2	
	TIMRB	00003468 000035CC 00000165 (		357.) LONG 2	
$CODE$		000035D0 000037D3 00000204 (		516.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CLI$INTERFACE	000035D0 000037D3 00000204 (		516.) LONG 2	
_CNVCLI_CODE		000037D4 00003B2B 00000358 (		856.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CVTTIME	000037D4 00003B2B 00000358 (		856.) LONG 2	
_CNVCLI_STATE		00003B2C 00003BB7 0000008C (		140.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CVTTIME	00003B2C 00003BB7 0000008C (		140.) BYTE 0	

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! Symbol Cross Reference !
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Symbol	Value	Defined By	Referenced By ...		
$LINE_DESC	000004B4-R	ERFPARSER			
BEFORE_DESC	000004D8-R	ERFPARSER			
BINARY_DESC	000004E8-R	ERFPARSER			
BRIEF_DESC	000004F8-R	ERFPARSER			
BRIEF_XFER_ADDR	000008B8-R	ERF			
BUS	00000001	ERFPARSER			
BUS_DEVICES	00000800-R	ERF			
BUS_IMAGE	00003CD4-RX	ERFSHR	ERF		
BUS_VERSION	00003CD0-RX	ERFSHR	ERF		
BUS_XFER_ADDR	00003CCC-RX	ERFSHR	ERF		
CLASS_DIR	0000091C-R	ERFPARSER	ERF	RECSELECT	
CLI$DCL_PARSE	00003690F-R	CLI$INTERFACE			
CLI$DISPATCH	00003750-R	CLI$INTERFACE			
CLI$GET_VALUE	00003613-R	CLI$INTERFACE	ERF	ERFPARSER	
CLI$NEXT_QUAL	00003791-R	CLI$INTERFACE			
CLI$PRESENT	000035D0-R	CLI$INTERFACE	ERFPARSER		
CLI$_ABSENT	000381F0	CLI$GLOBALS	CLI$INTERFACE	ERFPARSER	
CLI$_COMMA	0003FD39	CLI$GLOBALS	CLI$INTERFACE		
CLI$_CONCAT	0003FD29	CLI$GLOBALS	CLI$INTERFACE		
CLI$_DEFAULTED	0003FD21	CLI$GLOBALS	CLI$INTERFACE		
CLI$_LOCNEG	00038230	CLI$GLOBALS	CLI$INTERFACE		
CLI$_LOCPRES	0003FD31	CLI$GLOBALS	CLI$INTERFACE		
CLI$_NEGATED	000381F8	CLI$GLOBALS	CLI$INTERFACE	ERFPARSER	
CLI$_NOCOMD	000380B0	CLI$GLOBALS	CLI$INTERFACE		
CLI$_PRESENT	0003FD19	CLI$GLOBALS	CLI$INTERFACE	ERFPARSER	
DCL$SCOPY_DXDX	00000000		WK-CVTTIME		
DESC_TABLE_ADDRESS	00000804-R	ERF			
DEVICE_CLASS	000008C4-R	ERF	RECSELECT		
DEVICE_OPTION_CHECK	00002B16-R	ERFPARSER			
DEVICE_TYPE	000008C5-R	ERF	RECSELECT		
DEVICE_TYPE_ENTRY	00003155-R	RECSELECT	ERF		
DEV_ADDRS_PTR	00000808-R	ERF	ERFPARSER	RECSELECT	
DEV_CLASS_KEY	000008C8-R	ERFPARSER			
DEV_CLASS_PTR	0000080C-R	ERF	ERFPARSER	RECSELECT	
DEV_ENTRY_KEY	000008CC-R	ERFPARSER			
DEV_NAME	000008D0-R	ERFPARSER			
DEV_SELECT	000008D4-R	ERFPARSER			
DISK	00000002	ERFPARSER			
DISK_DEVICES	00000810-R	ERF			
DISK_IMAGE	00003CC8-RX	ERFSHR	ERF		
DISK_VERSION	00003CC4-RX	ERFSHR	ERF		
DISK_XFER_ADDR	00003CC0-RX	ERFSHR	ERF		
DUMPREG	00003C60-RX	ERFSHR	UNKN_DISP		
EMB	00003D94-RX	ERFCOMMON	ERF	RECSELECT	
ENTRY_DESC	00000508-R	ERFPARSER			
ENTRY_VALUE	000008D8-R	ERFPARSER			
ERFLIB_DESC	000002B8-R	ERF			
ERF_BADEVTYP	080880C4	ERFSHR	ERF		
ERF_BADEVVAL	080880BC	ERFSHR	ERF		

Symbol	Value	Defined By	Referenced By ...	
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ERF_BADMODNAM	080880CC	ERFSHR	ERF	
ERF_CLSTBLERR	080880B4	ERFSHR	ERF	
ERF_CNFQUAVAL	0808808A	ERFSHR	ERFPARSER	
ERF_CVTERR	080880AC	ERFSHR	ERF	ERFPARSER
ERF_DEVSELREQ	08088092	ERFSHR	ERFPARSER	
ERF_GETJPIERR	080880A2	ERFSHR	TIMRB	
ERF_HERALD	08088013	ERFSHR	ERF	
ERF_INCENTRY	0808804B	ERFSHR	RECSELECT	
ERF_INPUT	0808800B	ERFSHR	ERF	
ERF_INVREPTYP	080880D4	ERFSHR	ERF	
ERF_LOADERR	08088043	ERFSHR	ERF	
ERF_NOSTATS	08088053	ERFSHR	TIMRB	
ERF_NOTFOUND	0808805B	ERFSHR	ERF	
ERF_TOOMANCLS	080880DC	ERFSHR	ERF	
ERF_TOTAL	0808801B	ERFSHR	ERF	
ERF_UNKCLASS	08088023	ERFSHR	ERF	RECSELECT
ERF_UNKCPU	0808802B	ERFSHR	RECSELECT	
ERF_UNKENTRY	08088033	ERFSHR	ERF	RECSELECT
ERF_UNKTYPE	0808803B	ERFSHR	RECSELECT	
ERROR	00000002	ERFPARSER		
EXCLUDE_CLASS	000008DC-R	ERFPARSER		
EXCLUDE_DESC	00000518-R	ERFPARSER	ERFPARSER	
EXCLUDE_FLAG	000008E2-R	ERFPARSER	RECSELECT	
EXCLUDE_KEY	000008E4-R	ERFPARSER		
EXCLUDE_MASK	000008EC-R	ERFPARSER	RECSELECT	
EXCLUDE_Q_ENTRY_CNT	000008F0-R	ERFPARSER		
EXEC_IMAGE	00003D28-RX	ERFSHR	ERF	RECSELECT
FILE_SPECS_DESC	000004C8-R	ERFPARSER		
FOR$IO_END	00003D40-RX	FORRTL	TIMRB	
FOR$IO_F_R	00003D38-RX	FORRTL	TIMRB	
FOR$IO_L_R	00003D3C-RX	FORRTL	TIMRB	
FOR$SECNDS	00003D44-RX	FORRTL	TIMRB	
FOR$WRITE_SF	00003D34-RX	FORRTL	TIMRB	
FULL_DESC	00000524-R	ERFPARSER		
FUNCTION	00000814-R	ERF		
GET_VM	00002C6B-R	ERFPARSER	ERF	
HEADER	00003C5C-RX	ERFSHR	UNKN_DISP	
HERALD	00000818-R	ERF		
IDENT	000008BC-R	ERF		
IMAGE_LOADER	00003D24-RX	ERFSHR	ERF	
INCLUDE_CLASS	000008F4-R	ERFPARSER		
INCLUDE_DESC	00000534-R	ERFPARSER	ERFPARSER	
INCLUDE_KEY	000008FC-R	ERFPARSER		
INCLUDE_MASK	00000904-R	ERFPARSER	RECSELECT	
INCLUDE_Q_ENTRY_CNT	000008F1-R	ERFPARSER		
INITED_COMMONS	00000824-R	ERF		
INPUT_DESC	00000828-R	ERF		
INPUT_FAB	00003D10-RX	ERFSHR	ERF	
INPUT_FILE_COUNT	00000830-R	ERF		
INPUT_NAM	00003D08-RX	ERFSHR	ERF	
INPUT_RAB	00003D0C-RX	ERFSHR	ERF	UNKN_DISP
INPUT_XABFHC	00003D04-RX	ERFSHR	ERF	

Symbol	Value	Defined By	Referenced By ...
INTERVENE_INCREMENT	00003C68-RX	ERFSHR	RECSELECT
INTERVENE_OUTPUT	00003C64-RX	ERFSHR	RECSELECT
ITEM_COUNT	00000834-R	ERF	
LBR$CLOSE	00003DAC-RX	LBRSHR	ERF
LBR$GET_RECORD	00003DA0-RX	LBRSHR	ERF
LBR$INI_CONTROL	00003DB4-RX	LBRSHR	ERF
LBR$LOOKUP_KEY	00003DA4-RX	LBRSHR	ERF
LBR$OPEN	00003DB0-RX	LBRSHR	ERF
LBR$SET_LOCATE	00003DA8-RX	LBRSHR	ERF
LIB$CVT_ATIME	00003959-R	CVTTIME	
LIB$CVT_DTB	00003D84-RX	LIBRTL	ERF ERFPARSER
LIB$CVT_DTIME	00003984-R	CVTTIME	
LIB$CVT_HTB	00003D6C-RX	LIBRTL	ERFPARSER
LIB$CVT_TIME	00003818-R	CVTTIME	ERFPARSER
LIB$EXTZV	00003D80-RX	LIBRTL	ERF
LIB$FILE_SCAN	00003D7C-RX	LIBRTL	ERF
LIB$FREE_VM	00003D58-RX	LIBRTL	CLI$INTERFACE
LIB$GET_VM	00003D68-RX	LIBRTL	CLI$INTERFACE ERFPARSER
LIB$INSQTI	00003D64-RX	LIBRTL	ERFPARSER
LIB$LOOKUP_KEY	00003D70-RX	LIBRTL	ERFPARSER
LIB$REMQTI	00003D60-RX	LIBRTL	ERFPARSER
LIB$SCOPY_DXDX	00003D5C-RX	LIBRTL	CVTTIME
LIB$SIGNAL	00003D78-RX	LIBRTL	ERF ERFPARSER RECSELECT
			TIMRB
LIB$STOP	00003D74-RX	LIBRTL	ERF ERFPARSER
LIBRARY_FUNC	00000838-R	ERF	
LIBRARY_INDEX	0000083C-R	ERF	
LIBRARY_TYPE	00000840-R	ERF	
LINCHK	00003C48-RX	ERFSHR	TIMRB
LNM$FILE_DEV_DESC	00003CD8-RX	ERFSHR	ERF
LOGGER	00003C58-RX	ERFSHR	UNKN_DISP
LOG_DESC	00000540-R	ERFPARSER	
LOG_FILENAME	00003D20-RX	ERFSHR	ERF
LP_DEVICES	00000844-R	ERF	
LP_IMAGE	00003CBC-RX	ERFSHR	ERF
LP_VERSION	00003CB8-RX	ERFSHR	ERF
LP_XFER_ADDR	00003CB4-RX	ERFSHR	ERF
LSTLUN_RAB_ADDRESS	00003D00-RX	ERFSHR	ERF
MAP_IMAGE	00003D1C-RX	ERFSHR	ERF
MAX_BUS_TYPE	00000848-R	ERF	
MAX_CLASS	00000005	ERFPARSER	
MAX_CLASSES	00000849-R	ERF	ERFPARSER RECSELECT
MAX_CPU_TYPES	0000084A-R	ERF	
MAX_DISK_TYPE	0000084C-R	ERF	
MAX_LP_TYPE	00003CAC-RX	ERFSHR	ERF
MAX_MISC_TYPE	00003CB0-RX	ERFSHR	ERF
MAX_MODULES_DESC	0000085C-R	ERF	
MAX_RANGE_TABLE_ADDR	00000850-R	ERF	
MAX_REALTIME_TYPE	00000854-R	ERF	
MAX_SCOM_TYPE	00000855-R	ERF	
MAX_TAPE_TYPE	00000856-R	ERF	
MAX_WORKSTATION_TYPE	00000857-R	ERF	

Symbol	Value	Defined By	Referenced By ...	
MIN_MAX_TABLE_SIZES	00000860-R	ERF		
MIN_MODULES_DESC	00000858-R	ERF		
MIN_RANGE_TABLE_ADDR	00000864-R	ERF		
MODULE_NAME_DESC	00000868-R	ERF		
OPTION_FLAG	00000908-R	ERFPARSER	ERF	RECSELECT
OUTPUT_DESC	00000550-R	ERFPARSER		
OUTPUT_FAB	00003CFC-RX	ERFSHR	ERF	
OUTPUT_NAM	00003CF8-RX	ERFSHR	ERF	
OUTPUT_RAB	00003CF4-RX	ERFSHR	ERF	
PACKET_PROCESSOR_DEVICES	0000086C-R	ERF		
PACKET_PROCESSOR_IMAGE	00003CA4-RX	ERFSHR	ERF	
PACKET_PROCESSOR_VERSION	00003CA0-RX	ERFSHR	ERF	
PACKET_PROCESSOR_XFER_ADDR	00003CA8-RX	ERFSHR	ERF	
PAGE_DESC	0000055C-R	ERFPARSER		
PARSER_DATA	0000090C-R	ERFPARSER	ERF	RECSELECT
PARSER_TABLE	00000910-R	ERFPARSER	ERF	
PARSE_COMMAND	000021B8-R	ERFPARSER	ERF	
PARSE_DEVNAME	000028C4-R	ERFPARSER		
PARSE_OUTPUT_FILES	00003D18-RX	ERFSHR	ERF	
PROCESSOR_TYPE	000008C0-R	ERF	RECSELECT	
PROCESSOR_TYPE_TABLE	00000870-R	ERF		
QUE_ADDRS	00000B80-R	ERFPARSER		
QUE_ENTRY_ADDRS	00000B84-R	ERFPARSER		
QUE_ENTRY_CNT	00000914-R	ERFPARSER		
Q_ENTRY_SIZE	00000020	ERFPARSER		
REALTIME	00000003	ERFPARSER		
REALTIME_DEVICES	00000874-R	ERF		
REALTIME_IMAGE	00003C9C-RX	ERFSHR	ERF	
REALTIME_VERSION	00003C98-RX	ERFSHR	ERF	
REALTIME_XFER_ADDR	00003C94-RX	ERFSHR	ERF	
RECORD_DESC	00000878-R	ERF		
RECORD_SELECTED	00002C94-R	RECSELECT	ERF	
REGISTER_DUMP_DESC	00000574-R	ERFPARSER		
REJECTED_DESC	00000584-R	ERFPARSER		
REJECTED_FAB	00003CEC-RX	ERFSHR	ERF	
REJECTED_NAM	00003CE8-RX	ERFSHR	ERF	
REJECTED_RAB	00003CE4-RX	ERFSHR	ERF	
RELATED_NAM	00003CF0-RX	ERFSHR	ERF	
ROOT_BLINK	00000B7C-R	ERFPARSER		
ROOT_FLINK	00000B78-R	ERFPARSER		
SCOM_DEVICES	00000880-R	ERF		
SCOM_IMAGE	00003C90-RX	ERFSHR	ERF	
SCOM_VERSION	00003C8C-RX	ERFSHR	ERF	
SCOM_XFER_ADDR	00003C88-RX	ERFSHR	ERF	
SEARCH_QUEUE	00002B54-R	ERFPARSER	RECSELECT	
SELECTED	00000884-R	ERF		
SID_REGISTER_DESC	00000598-R	ERFPARSER		
SINCE_DESC	000005A8-R	ERFPARSER		
STATISTICS_DESC	000005BC-R	ERFPARSER		
STR$ANALYZE_SDESC	00003D54-RX	LIBRTL	CLI$INTERFACE	
STR$COPY_DX	00003D50-RX	LIBRTL	CLI$INTERFACE	
SUMMARY_DESC	000005CC-R	ERFPARSER		

Symbol	Value	Defined By	Referenced By ...		
SUMMARY_DISPATCHER_ADDR	00000888-R	ERF	RECSELECT		
SUMMARY_FLAG	00000918-R	ERFPARSER	ERF	RECSELECT	
SYECOM	00003D90-RX	ERFCOMMON	ERF	RECSELECT	UNKN_DISP
SYNC	00000004	ERFPARSER			
SYS$ASCTIM	7FFEDE48	SYS$P1_VECTOR	CVTTIME		
SYS$BINTIM	7FFEDE58	SYS$P1_VECTOR	CVTTIME		
SYS$CLI	7FFEDE18	SYS$P1_VECTOR	CLI$INTERFACE		
SYS$CLOSE	7FFEE1B8	SYS$P1_VECTOR	ERF		
SYS$CONNECT	7FFEE1C0	SYS$P1_VECTOR	ERF		
SYS$GET	7FFEE180	SYS$P1_VECTOR	ERF		
SYS$GETJPI	7FFEE0D8	SYS$P1_VECTOR	TIMRB		
SYS$GETTIM	7FFEDF78	SYS$P1_VECTOR	CVTTIME		
SYS$OPEN	7FFEE208	SYS$P1_VECTOR	ERF		
SYS$OUTPUT_RAB_ADDRESS	00003CE0-RX	ERFSHR	ERF		
SYS$PUT	7FFEE188	SYS$P1_VECTOR	ERF		
SYS$PUTMSG	7FFEE0E0	SYS$P1_VECTOR	ERF		
SYS$TRNLNM	7FFEE490	SYS$P1_VECTOR	ERF		
TABLE_ADDRESS	00000890-R	ERF			
TABLE_LENGTH	00000894-R	ERF			
TAPE	00000005	ERFPARSER			
TAPE_DEVICES	0000088C-R	ERF			
TAPE_IMAGE	00003C84-RX	ERFSHR	ERF		
TAPE_VERSION	00003C80-RX	ERFSHR	ERF		
TAPE_XFER_ADDR	00003C7C-RX	ERFSHR	ERF		
TEXT_RFA	00000898-R	ERF			
TIMRB	00003468-R	TIMRB	ERF		
TIMRE	000034C7-R	TIMRB	ERF		
TOKEN_DESC	000008A0-R	ERF			
TOTAL_REJECTED	000008AC-R	ERF			
TOTAL_SELECTED	000008A8-R	ERF			
TRANSLATE_CLASS	0000332F-R	RECSELECT			
TRANSLATE_DEVICE	00002C07-R	ERFPARSER			
TRANSLATE_ENTRY_TABLE	00003C78-RX	ERFSHR	ERF		
UNKNOWN1	00003C54-RX	ERFSHR	UNKN_DISP		
UNKNOWN2	00003C50-RX	ERFSHR	UNKN_DISP		
UNKNOWN3	00003C4C-RX	ERFSHR	UNKN_DISP		
UNKNOWN_DISPATCHER	00003398-R	UNKN_DISP	ERF		
UNKNOWN_ENTRY	000008B0-R	ERF	RECSELECT		
VALIDATE_PACKET	00001F2E-R	ERF	RECSELECT		
WILD_CARDED_DEVICE	00000920-R	ERFPARSER			
WORKSTATION_DEVICES	000008B4-R	ERF			
WORKSTATION_IMAGE	00003C74-RX	ERFSHR	ERF		
WORKSTATION_VERSION	00003C70-RX	ERFSHR	ERF		
WORKSTATION_XFER_ADDR	00003C6C-RX	ERFSHR	ERF		
WORST_ERROR	00003CDC-RX	ERFSHR	ERF		
WRITE_BINARY	00002189-R	ERF			
WRITE_MSG	00003D14-RX	ERFSHR	ERF		

```
              +----------------------+
              ! Symbols By Value !
              +----------------------+


Value                                              Symbols...
-----                                              ----------
00000001        BUS
00000002        DISK                                   ERROR
00000003        REALTIME
00000004        SYNC
00000005        MAX_CLASS                              TAPE
00000020        Q_ENTRY_SIZE
000002B8        R-ERFLIB_DESC
000004B4        R-$LINE_DESC
000004C8        R-FILE_SPECS_DESC
000004D8        R-BEFORE_DESC
000004E8        R-BINARY_DESC
000004F8        R-BRIEF_DESC
00000508        R-ENTRY_DESC
00000518        R-EXCLUDE_DESC
00000524        R-FULL_DESC
00000534        R-INCLUDE_DESC
00000540        R-LOG_DESC
00000550        R-OUTPUT_DESC
0000055C        R-PAGE_DESC
00000574        R-REGISTER_DUMP_DESC
00000584        R-REJECTED_DESC
00000598        R-SID_REGISTER_DESC
000005A8        R-SINCE_DESC
000005BC        R-STATISTICS_DESC
000005CC        R-SUMMARY_DESC
00000800        R-BUS_DEVICES
00000804        R-DESC_TABLE_ADDRESS
00000808        R-DEV_ADDRS_PTR
0000080C        R-DEV_CLASS_PTR
00000810        R-DISK_DEVICES
00000814        R-FUNCTION
00000818        R-HERALD
00000824        R-INITED_COMMONS
00000828        R-INPUT_DESC
00000830        R-INPUT_FILE_COUNT
00000834        R-ITEM_COUNT
00000838        R-LIBRARY_FUNC
0000083C        R-LIBRARY_INDEX
00000840        R-LIBRARY_TYPE
00000844        R-LP_DEVICES
00000848        R-MAX_BUS_TYPE
00000849        R-MAX_CLASSES
0000084A        R-MAX_CPU_TYPES
0000084C        R-MAX_DISK_TYPE
00000850        R-MAX_RANGE_TABLE_ADDR
00000854        R-MAX_REALTIME_TYPE
00000855        R-MAX_SCOM_TYPE
00000856        R-MAX_TAPE_TYPE
00000857        R-MAX_WORKSTATION_TYPE
```

Value	Symbols...
00000858	R-MIN_MODULES_DESC
0000085C	R-MAX_MODULES_DESC
00000860	R-MIN_MAX_TABLE_SIZES
00000864	R-MIN_RANGE_TABLE_ADDR
00000868	R-MODULE_NAME_DESC
0000086C	R-PACKET_PROCESSOR_DEVICES
00000870	R-PROCESSOR_TYPE_TABLE
00000874	R-REALTIME_DEVICES
00000878	R-RECORD_DESC
00000880	R-SCOM_DEVICES
00000884	R-SELECTED
00000888	R-SUMMARY_DISPATCHER_ADDR
0000088C	R-TAPE_DEVICES
00000890	R-TABLE_ADDRESS
00000894	R-TABLE_LENGTH
00000898	R-TEXT_RFA
000008A0	R-TOKEN_DESC
000008A8	R-TOTAL_SELECTED
000008AC	R-TOTAL_REJECTED
000008B0	R-UNKNOWN_ENTRY
000008B4	R-WORKSTATION_DEVICES
00000888	R-BRIEF_XFER_ADDR
000008BC	R-IDENT
000008C0	R-PROCESSOR_TYPE
000008C4	R-DEVICE_CLASS
000008C5	R-DEVICE_TYPE
000008C8	R-DEV_CLASS_KEY
000008CC	R-DEV_ENTRY_KEY
000008D0	R-DEV_NAME
000008D4	R-DEV_SELECT
000008D8	R-ENTRY_VALUE
000008DC	R-EXCLUDE_CLASS
000008E2	R-EXCLUDE_FLAG
000008E4	R-EXCLUDE_KEY
000008EC	R-EXCLUDE_MASK
000008F0	R-EXCLUDE_Q_ENTRY_CNT
000008F1	R-INCLUDE_Q_ENTRY_CNT
000008F4	R-INCLUDE_CLASS
000008FC	R-INCLUDE_KEY
00000904	R-INCLUDE_MASK
00000908	R-OPTION_FLAG
0000090C	R-PARSER_DATA
00000910	R-PARSER_TABLE
00000914	R-QUE_ENTRY_CNT
00000918	R-SUMMARY_FLAG
0000091C	R-CLASS_DIR
00000920	R-WILD_CARDED_DEVICE
00000878	R-ROOT_FLINK
0000087C	R-ROOT_BLINK
00000880	R-QUE_ADDRS
00000884	R-QUE_ENTRY_ADDRS
00001F2E	R-VALIDATE_PACKET

Value	Symbols...
00002189	R-WRITE_BINARY
000021B8	R-PARSE_COMMAND
000028C4	R-PARSE_DEVNAME
00002B16	R-DEVICE_OPTION_CHECK
00002B54	R-SEARCH_QUEUE
00002C07	R-TRANSLATE_DEVICE
00002C6B	R-GET_VM
00002C94	R-RECORD_SELECTED
00003155	R-DEVICE-TYPE_ENTRY
0000332F	R-TRANSLATE_CLASS
00003398	R-UNKNOWN_DISPATCHER
00003468	R-TIMRB
000034C7	R-TIMRE
000035D0	R-CLI$PRESENT
00003613	R-CLI$GET_VALUE
0000369F	R-CLI$DCL_PARSE
00003750	R-CLI$DISPATCH
00003791	R-CLI$NEXT_QUAL
00003818	R-LIB$CVT_TIME
00003959	R-LIB$CVT_ATIME
00003984	R-LIB$CVT_DTIME
00003C48	RX-LINCHK
00003C4C	RX-UNKNOWN3
00003C50	RX-UNKNOWN2
00003C54	RX-UNKNOWN1
00003C58	RX-LOGGER
00003C5C	RX-HEADER
00003C60	RX-DUMPREG
00003C64	RX-INTERVENE_OUTPUT
00003C68	RX-INTERVENE_INCREMENT
00003C6C	RX-WORKSTATION_XFER_ADDR
00003C70	RX-WORKSTATION_VERSION
00003C74	RX-WORKSTATION_IMAGE
00003C78	RX-TRANSLATE_ENTRY_TABLE
00003C7C	RX-TAPE_XFER_ADDR
00003C80	RX-TAPE_VERSION
00003C84	RX-TAPE_IMAGE
00003C88	RX-SCOM_XFER_ADDR
00003C8C	RX-SCOM_VERSION
00003C90	RX-SCOM_IMAGE
00003C94	RX-REALTIME_XFER_ADDR
00003C98	RX-REALTIME_VERSION
00003C9C	RX-REALTIME_IMAGE
00003CA0	RX-PACKET_PROCESSOR_VERSION
00003CA4	RX-PACKET_PROCESSOR_IMAGE
00003CA8	RX-PACKET_PROCESSOR_XFER_ADDR
00003CAC	RX-MAX_LP_TYPE
00003CB0	RX-MAX_MISC_TYPE
00003CB4	RX-LP_XFER_ADDR
00003CB8	RX-LP_VERSION
00003CBC	RX-LP_IMAGE
00003CC0	RX-DISK_XFER_ADDR

Value   Symbols...
-----   ----------
00003CC4   RX-DISK_VERSION
00003CC8   RX-DISK_IMAGE
00003CCC   RX-BUS_XFER_ADDR
00003CD0   RX-BUS_VERSION
00003CD4   RX-BUS_IMAGE
00003CD8   RX-LNM$FILE_DEV_DESC
00003CDC   RX-WORST_ERROR
00003CE0   RX-SYS$OUTPUT_RAB_ADDRESS
00003CE4   RX-REJECTED_RAB
00003CE8   RX-REJECTED_NAM
00003CEC   RX-REJECTED_FAB
00003CF0   RX-RELATED_NAM
00003CF4   RX-OUTPUT_RAB
00003CF8   RX-OUTPUT_NAM
00003CFC   RX-OUTPUT_FAB
00003D00   RX-LSTLUN_RAB_ADDRESS
00003D04   RX-INPUT_XABFHC
00003D08   RX-INPUT_NAM
00003D0C   RX-INPUT_RAB
00003D10   RX-INPUT_FAB
00003D14   RX-WRITE_MSG
00003D18   RX-PARSE_OUTPUT_FILES
00003D1C   RX-MAP_IMAGE
00003D20   RX-LOG_FILENAME
00003D24   RX-IMAGE_LOADER
00003D28   RX-EXEC_IMAGE
00003D34   RX-FOR$WRITE_SF
00003D38   RX-FOR$IO_F_R
00003D3C   RX-FOR$IO_L_R
00003D40   RX-FOR$IO_END
00003D44   RX-FOR$SE_NDS
00003D50   RX-STR$COPY_DX
00003D54   RX-STR$ANALYZE_SDESC
00003D58   RX-LIB$FREE_VM
00003D5C   RX-LIB$SCOPY_DXDX
00003D60   RX-LIB$REMQTI
00003D64   RX-LIB$INSQTI
00003D68   RX-LIB$GET_VM
00003D6C   RX-LIB$CVT_HTB
00003D70   RX-LIB$LOOKUP_KEY
00003D74   RX-LIB$STOP
00003D78   RX-LIB$SIGNAL
00003D7C   RX-LIB$FILE_SCAN
00003D80   RX-LIB$EXTZV
00003D84   RX-LIB$CVT_DTB
00003D90   RX-SYECOM
00003D94   RX-EMB
00003DA0   RX-LBR$GET_RECORD
00003DA4   RX-LBR$LOOKUP_KEY
00003DA8   RX-LBR$SET_LOCATE
00003DAC   RX-LBR$CLOSE
00003DB0   RX-LBR$OPEN

Value	Symbols...
00003DB4	RX-LBR\$INI CONTROL
000380B0	CLI\$_NOCOMD
000381F0	CLI\$_ABSENT
000381F8	CLI\$_NEGATED
00038230	CLI\$_LOCNEG
0003FD19	CLI\$_PRESENT
0003FD21	CLI\$_DEFAULTED
0003FD29	CLI\$_CONCAT
0003FD31	CLI\$_LOCPRES
0003FD39	CLI\$_COMMA
0808800B	ERF_INPUT
08088013	ERF_HERALD
0808801B	ERF_TOTAL
08088023	ERF_UNKCLASS
0808802B	ERF_UNKCPU
08088033	ERF_UNKENTRY
0808803B	ERF_UNKTYPE
08088043	ERF_LOADERR
0808804B	ERF_INCENTRY
08088053	ERF_NOSTATS
0808805B	ERF_NOTFOUND
0808808A	ERF_CNFQUAVAL
08088092	ERF_DEVSELREQ
080880A2	ERF_GETJPIERR
080880AC	ERF_CVTERR
080880B4	ERF_CLSTBLERR
080880BC	ERF_BADEVVAL
080880C4	ERF_BADEVTYP
080880CC	ERF_BADMODNAM
080880D4	ERF_INVREPTYP
080880DC	ERF_TOOMANCLS
7FFEDE18	SYS\$CLI
7FFEDE48	SYS\$ASCTIM
7FFEDE58	SYS\$BINTIM
7FFEDF78	SYS\$GETTIM
7FFEE0D8	SYS\$GETJPI
7FFEE0E0	SYS\$PUTMSG
7FFEE180	SYS\$GET
7FFEE188	SYS\$PUT
7FFEE1B8	SYS\$CLOSE
7FFEE1C0	SYS\$CONNECT
7FFEE208	SYS\$OPEN
7FFEE490	SYS\$TRNLNM

Value   Symbols...
-----   ----------

        Key for special characters above:
                +--------------------+
                ! * - Undefined   !
                ! U - Universal   !
                ! R - Relocatable   !
                ! X - External   !
                +--------------------+

```
                              +--------------------+
                              ! Image Synopsis !
                              +--------------------+


Virtual memory allocated:                 00000200 000041FF 00004000 (16384. bytes, 32. pages)
Stack size:                                      20. pages
Image header virtual block limits:                1.      1. (    1. block)
Image binary virtual block limits:                2.     31. (   30. blocks)
Image name and identification:            ERF V04-000
Number of files:                                 11.
Number of modules:                               15.
Number of program sections:                      30.
Number of global symbols:                      1129.
Number of cross references:                     438.
Number of image sections:                        24.
User transfer address:                    00000C00
Number of address fixups:                        17.
Number of code references to shareable images:   84.
Image type:                               EXECUTABLE.
Map format:                               FULL WITH CROSS REFERENCE in file _$255$DUA28:[ERF.LIS]ERF.MAP;1
Estimated map length:                     231. blocks
                              +----------------------+
                              ! Link Run Statistics !
                              +----------------------+


Performance Indicators            Page Faults    CPU Time        Elapsed Time
--------------------------        -----------    --------        ------------
    Command processing:                  169    00:00:01.28      00:00:02.39
    Pass 1:                              269    00:00:02.79      00:00:18.27
    Allocation/Relocation:                42    00:00:00.22      00:00:01.49
    Pass 2:                               81    00:00:01.50      00:00:07.01
    Map data after object module synopsis: 22   00:00:01.80      00:00:01.93
    Symbol table output:                   1    00:00:00.04      00:00:00.42
Total run values:                        584    00:00:07.63      00:00:31.51

Using a working set limited to 1350 pages and 560 pages of data storage (excluding image)

Total number object records read (both passes):  757
    of which 333 were in libraries and 68 were DEBUG data records containing 6074 bytes

Number of modules extracted explicitly        = 6
    with 3 extracted to resolve undefined symbols

22 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

LINK/USERLIB=PROC/NOTRACE/EXE=EXE$/MAP=MAP$/FULL/CROSS LIB$:ERF/INCLUDE=(ERF,ERFPARSER,RECSELECT,UNKN_DISP,TIMRB),COM$:PSECTATTR/OPT
 ,RESOBJ$:CLIUTL/INCLUDE=CVTTIME
EXE$:erfshr.exe/share
EXE$:erfcommon.exe/share
gsmatch=lequal,1,0
psect_attr=$blank,noshr
psect_attr=$pdata,noshr
psect_attr=$code,noshr
```

```
psect_attr=devchar,noshr
psect_attr=dr32,noshr
psect_attr=emb,noshr
psect_attr=erfcom,noshr
psect_attr=mode,noshr
psect_attr=mrd,noshr
psect_attr=opcode,noshr
psect_attr=qiocommon,noshr
psect_attr=sa,noshr
psect_attr=syecom,noshr
psect_attr=trans_addr,noshr
psect_attr=tables,noshr
psect_attr=_lib$code,noshr
psect_attr=_img$code,noshr
```

VAXLOAD
LIS

ERFBRIEF
MAP

ERFPROC1
MAP

ERFDISK
MAP

ERFBUS
MAP

ERFINICOM
MAP

ERFCOMMON
MAP

VAXSTATUS
LIS

ENCRYP   ERF

ENCSTUBS   ERF
LIS   MAP

ERFPROC2
MAP

VAXSTRING
LIS